

CLEAR REJECT MESSAGE FOR CALL CLEARING AND MOBILE RESOURCE
ASSIGNMENT WITH HOLDING CALL

ABSTRACT OF THE DISCLOSURE

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10 A new Clear Reject message (or, equivalently, a new
cause value indicating "Call on Hold" for the Clear
Command) is defined for IS-2001 wireless communications to
prevent resource deallocation prior to re-paging of a
mobile station terminating connections with a call on hold.
In response to receiving the new message from a mobile
switching center, the serving base station maintains
resource allocations for the mobile station and notifies
the mobile station of the holding call, causing a ring tone
to sound at the mobile station. State transition and
paging channel monitoring by the mobile station, use of
paging resources by the mobile switching center, and
resource tear-down and reassignment by the base station are
all avoided.